

**Amendments to the Abstract**

Please amend the Abstract to read.

-- The present invention relates to an arrangement for adaptive bit recovery, and to an apparatus for reading from and/or writing to recording media using such arrangement..According to the invention, an arrangement for adaptive bit recovery including an adaptive equalizer (13) and an adaptive partial response maximum likelihood detector (14) further includes an overflow control block (86) for the adaptive equalizer (13) for monitoring one or more of the adaptation coefficients and/or a state violation checker (162) for monitoring the allowed states and indicating state violations as well as and a noise detector (155) for detecting larger deviations of the target values.--